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10/659,513

09/10/2003

Andrew Rodney Ferlitsch

SLA1305

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7590
Gerald W. Mallszewski
P.O. Box 270829
San Diego, CA 92198-2829

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EXAMINER

RODRIGUEZ, LENNIN R

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/659,513	Applicant(s) FERLITSCH, ANDREW RODNEY	
	Examiner LENNIN R. RODRIGUEZ	Art Unit 2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 February 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3-7,9-11,13-17,20,22-28,30-38,41 and 42 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3-7,9-11,13-17,20,22-28,30-38,41 and 42 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 February 2008 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see page 16, filed on 2/15/2008, with respect to the rejection(s) of claim(s) 8 and 29 under 35 U.S.C. 103 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Carney et al. (US 2002/0080389), Richter et al. (US 6,678,068) and Carter et al. (US 6,201,611).
2. Objections to the drawings have been withdrawn in view of the submitted amendment.

Claim Rejections - 35 USC § 103

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
4. Claims 1-5, 7, 15-17, 20-26 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carney et al. (US 2002/0080389) in view of Richter et al. (US 6,678,068) and Carter et al. (US 6,201,611).

(1) regarding claims 1 and 20:

Carney '389 discloses a system for selectively maintaining a device job history (paragraph [0012]), the system comprising:

a device having an interface to accept jobs, the device performing the jobs for the client (paragraph [0003], lines 1-3); and

a repository residing in the device (Fig. 1, where the printer contains the repository, 119 Job Monitor) having an interface to accept a record of the jobs performed by the device (paragraph [0013]), the repository maintaining the job record after the performance of the job (paragraph [0012]),

Carney '389 discloses all the subject matter as described above except a client having an interface for sending jobs, along with a client network address; and filtering the job record to create filtered history of jobs associated with the client.

However, Carter '611 teaches a client having an interface for sending jobs, along with a client network address (column 4, lines 54-65, where the routing information is a network address);

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made wherein the client sends jobs to the device along with a client network address as taught by Carter '611 in the system of Carney '389. With this it is desirable to provide an economical, full function local print function in a network computing environment (column 2, lines 5-7).

Carney '389 and Carter '611 disclose all the subject matter as described above except filtering the job record to create a filtered history of jobs associated with the client.

However, Richter '068 teaches filtering the job record to create filtered history of jobs associated with the client (column 23, lines 7-15, where the jobs are being associated with the respective clients). Also Richter '068 further teaches that it uses

different criteria to filter the jobs and the one used here could be Carter '611 teachings of a network address.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to filtering the job record to create filtered history of jobs associated with the client as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(2) regarding claim 22:

Carney '389 and Carter '611 disclose all the subject matter as described above except a server having an interface to the client and the device, the server managing jobs sent to the device by the client;

However, Richter '068 teaches a server having an interface to the client and the device, the server managing jobs sent to the device by the client (column 5, lines 47-67, where the server has interfaces with the printer and client computer, Fig. 1);

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to have a server having an interface to the client and the

device, the server managing jobs sent to the device by the client as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(3) regarding claims 3 and 23:

Carney '389 and Carter '611 disclose all the subject matter as described above except wherein the client monitors processes selected from the group including the device status, job status, and communications to the device.

However, Richter '068 teaches wherein the client monitors processes selected from the group including the device status, job status (column 22, lines 7-12, print job status), and communications to the device.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made wherein the client monitors processes selected from the group including the job status as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing

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devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(4) regarding claims 4 and 24:

Carney '389 and Carter '611 disclose all the subject matter as described above except a display having an interface for accessing a viewable copy of the filtered job record.

However, Richter '068 teaches display having an interface for accessing a viewable copy of the filtered job record (column 21, lines 62-63, log information screen).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to have a display having an interface for accessing a viewable copy of the filtered job record as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The

development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(5) regarding claims 5 and 25:

Carney '389 and Carter '611 disclose all the subject matter as described above except wherein the display accesses a viewable copy of the filtered job obtained from a node selected from the group including the client and the server managing the device jobs.

However, Richter '068 teaches wherein the display accesses a viewable copy of the filtered job obtained from a node selected from the group including the client and the server managing the device jobs (column 21, lines 62-67, and column 22, lines 1-4, where the copy is obtained from the print server).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made wherein the display accesses a viewable copy of the filtered job obtained from a node selected from the group including the client and the server managing the device jobs as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and

one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(6) regarding claims 7 and 28:

Carney '389 and Carter '611 discloses all the subject matter as described above except wherein the client has a user interface for interrupting a job sent to the device with an action selected from the group including canceling a job, continuing a job, and modifying a job.

However, Richter '068 teaches wherein the client has a user interface for interrupting a job sent to the device with an action selected from the group including canceling a job (column 16, lines 14-19), continuing a job, and modifying a job.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made wherein the client has a user interface for interrupting a job sent to the device with an action selected from the group including canceling a job, continuing a job, and modifying a job as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The

development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(7) regarding claims 9 and 30:

Carney '389 discloses all the subject matter as described above except wherein the client sends a network address selected from the group including a network address embedded in transport layer transmission packets and a network address embedded with the job in data layer communications.

However, Carter '611 teaches wherein the client sends a network address selected from the group including a network address embedded in transport layer transmission packets and a network address embedded with the job in data layer communications (column 4, lines 54-65, where the routing information is a network address);

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made wherein the client sends jobs to the device along with a client network address as taught by Sorkin '823 in the system of Carney '389. With this it is desirable to provide an economical, full function local print function in a network computing environment (column 2, lines 5-7).

(8) regarding claims 11 and 32:

Carney '389 further discloses a web page having an interface to receive the filtered history of job downloads from the repository residing with the device (paragraph [0014], lines 5-11); wherein the client makes an HTTP request to the web page associated with the device (paragraph [0083]); and, wherein the repository sends a

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record of filtered jobs from the device, to the web page for client access (paragraph [0014], where by “each component” examiner is interpreting a client device and the jobs are being bring to each device filtered in accordance to which client it belongs to).

(9) regarding claim 13:

Carney '389 discloses all the subject matter as described above except merging device communications with the filtered job record.

However, Richter '068 teaches merging device communications with the filtered job record (column 22, lines 7-12, where all the information is merge as a whole in memory).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to merging device communications with the filtered job record as taught by Richter '068 in the system of Carney '389. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(10) regarding claim 14:

Carney '389 discloses all the subject matter as described above except merging client communications with the filtered job record.

However, Richter '068 teaches merging client communications with the filtered job record (column 22, lines 7-12, where all the information is merge as a whole in memory).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to merging client communications with the filtered job record as taught by Richter '068 in the system of Carney '389. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(11) regarding claim 15:

Carney '389 further discloses wherein sending jobs to a device for performance includes sending image processing jobs to an imaging device selected from the group including printers (paragraph [0003], lines 1-3), copiers, fax machines, multifunctional peripheral (MFP) devices, scanners, electronic whiteboards, and document servers.

(12) regarding claim 16:

Carney '389 further discloses monitoring the status of jobs after they have been despoiled from a node selected from the group including local and network spoolers (paragraph [0068], where the monitoring is taking effect after the despoiling step); monitoring the status of jobs that have been completed by the imaging device (paragraph [0044], where the monitoring takes place when the job is completed); and, monitoring the status of jobs spooled at a node selected from the group including local and network spoolers (paragraph [0041], lines 14-18).

Carney '389 and Carter '611 disclose all the subject matter as described above except wherein monitoring processes selected from the group including the device status, job status, and communications to the device includes: monitoring the status of job raster image processing (RIP); monitoring the status of jobs queued on the image processing device;

However, Richter '068 teaches wherein monitoring processes selected from the group including the device status, job status (column 22, lines 7-12, print job status), and communications to the device includes: monitoring the status of job raster image processing (RIP) (column 16, lines 7-8); monitoring the status of jobs queued on the image processing device (column 16, lines 7-9);

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made monitoring processes selected from the group including the device status, job status, and communications to the device includes: monitoring the status of job raster image processing (RIP), monitoring the status of jobs queued on the image processing device as taught by Richter '068 in the system of Carney '389 and

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Carter '611. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(13) regarding claim 17:

Carney '389 and Carter '611 disclose all the subject matter as described above except interrupting an image processing job with a action selected from the group including canceling a job, continuing a job, and modifying a job; and, wherein monitoring processes selected from the group including the device status, job status, and communications to the imaging device includes monitoring the status of the interrupted job.

However, Richter '068 teaches interrupting an image processing job with a action selected from the group including canceling a job (column 16, lines 14-19), continuing a job, and modifying a job; and, wherein monitoring processes selected from the group including the device status, job status (column 22, lines 7-12, print job status), and communications to the imaging device includes monitoring the status of the interrupted job.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made interrupting an image processing job with a action selected from the group including canceling a job, continuing a job, and modifying a job; and, wherein monitoring processes selected from the group including the device status, job status, and communications to the imaging device includes monitoring the status of the interrupted job as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(14) regarding claim 26:

Carney '389 further discloses a web page having an interface to receive the filtered history of job downloads from the repository residing with the device (paragraph [0014], lines 5-11);

Carney '389 and Carter '611 disclose all the subject matter as described above except wherein the display accesses a viewable copy of the filtered history of job obtained from a node selected from the group including the client, the server managing the device jobs, and the web page.

However, Richter '068 teaches wherein the display accesses a viewable copy of the filtered history of job obtained from a node selected from the group including the client, the server managing the device jobs (column 9, lines 29-31), and the web page.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made wherein the display accesses a viewable copy of the filtered history of job obtained from a node selected from the group including the client, the server managing the device jobs, and the web page as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(15) regarding claim 36:

Carney '389 further discloses wherein the device is an imaging device selected from the group including printers (paragraph [0003], lines 1-3), copiers, fax machines, multifunctional peripheral (MFP) devices, scanners, electronic whiteboards, and document servers.

(16) regarding claim 37:

Carney '389 further discloses monitoring the status of jobs after they have been despoiled from a node selected from the group including local and network spoolers (paragraph [0068], where the monitoring is taking effect after the despoiling step); monitoring the status of jobs that have been completed by the imaging device (paragraph [0044], where the monitoring takes place when the job is completed); and, monitoring the status of jobs spooled at a node selected from the group including local and network spoolers (paragraph [0041], lines 14-18).

Carney '389 and Carter '611 disclose all the subject matter as described above except wherein the imaging device monitors device status, job status, and communications to the device includes: monitoring the status of job raster image processing (RIP); monitoring the status of jobs queued on the image processing device;

However, Richter '068 teaches wherein the imaging device monitors device status, job status (column 22, lines 7-12, print job status), and communications to the device includes: monitoring the status of job raster image processing (RIP) (column 16, lines 7-8); monitoring the status of jobs queued on the image processing device (column 16, lines 7-9);

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made wherein the imaging device monitors device status, job status, and communications to the device includes: monitoring the status of job raster image processing (RIP), monitoring the status of jobs queued on the image processing device as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a client user

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to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(17) regarding claim 38:

Carney '389 and Carter '611 disclose all the subject matter as described above except wherein the client has a user interface for interrupting a job sent to the device with an action selected from the group including canceling a job, continuing a job, and modifying a job.

However, Richter '068 teaches wherein the client has a user interface for interrupting a job sent to the device with an action selected from the group including canceling a job (column 16, lines 14-19), continuing a job, and modifying a job.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made wherein the client has a user interface for interrupting a job sent to the device with an action selected from the group including canceling a job as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding

each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(18) regarding claim 41:

Carney '389 discloses a system for selectively maintaining a device job history (paragraph [0012]), the system comprising:

a device having an interface to accept jobs, the device performing the jobs for the client (paragraph [0003], lines 1-3); and

a repository residing in the device (Fig. 1, where the printer contains the repository, 119 Job Monitor) having an interface to accept a record of the jobs performed by the device (paragraph [0013]), the repository maintaining the job record after the performance of the job (paragraph [0012]),

Carney '389 discloses all the subject matter as described above except a client having an interface for sending jobs, along with a client network address; sending the job record to the client; and filtering the job record to create filtered history of jobs associated with the client.

However, Carter '611 teaches a client having an interface for sending jobs, along with a client network address (column 4, lines 54-65, where the routing information is a network address); and sending the job record to the client (column 7, lines 35-40);

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made wherein the client sends jobs to the device along with a client network address and sending the job record to the client as taught by Carter '611 in the system of Carney '389. With this it is desirable to provide an economical, full function local print function in a network computing environment (column 2, lines 5-7).

Carney '389 and Carter '611 disclose all the subject matter as described above except filtering the job record to create a filtered history of jobs associated with the client.

However, Richter '068 teaches sending the job record to the client; filtering the job record to create filtered history of jobs associated with the client (column 23, lines 7-15, where the jobs are being associated with the respective clients). Also Richter '068 further teaches that it uses different criteria to filter the jobs and the one used here could be Carter '611 teachings of a network address.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to filtering the job record to create filtered history of jobs associated with the client as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and

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one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(19) regarding claim 42:

Carney '389 discloses a system for selectively maintaining a device job history (paragraph [0012]), the system comprising:

a device having an interface to accept jobs, the device performing the jobs for the client (paragraph [0003], lines 1-3); and

a repository residing in the device (Fig. 1, where the printer contains the repository, 119 Job Monitor) having an interface to accept a record of the jobs performed by the device (paragraph [0013]), the repository maintaining the job record after the performance of the job (paragraph [0012]),

Carney '389 discloses all the subject matter as described above except a client having an interface for sending jobs, along with a client network address; sending the job record to the client upon request; and filtering the job record to create filtered history of jobs associated with the client.

However, Carter '611 teaches a client having an interface for sending jobs, along with a client network address (column 4, lines 54-65, where the routing information is a network address); sending the job record to the client upon request (column 7, lines 35-40);

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made wherein the client sends jobs to the device along with a client network address and sending the job record to the client as taught by Carter '611 in the

system of Carney '389. With this it is desirable to provide an economical, full function local print function in a network computing environment (column 2, lines 5-7).

Carney '389 and Carter '611 disclose all the subject matter as described above except filtering the job record to create a filtered history of jobs associated with the client.

However, Richter '068 teaches filtering the job record to create filtered history of jobs associated with the client (column 23, lines 7-15, where the jobs are being associated with the respective clients). Also Richter '068 further teaches that it uses different criteria to filter the jobs and the one used here could be Carter '611 teachings of a network address.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to filtering the job record to create filtered history of jobs associated with the client as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

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5. Claims 6 and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carney et al. (US 2002/0080389), Carter et al. (US 6,201,611) and Richter et al. (US 6,678,068) as applied to claims above, and further in view of Kullick et al. (US 5,732,275).

(1) regarding claims 6 and 27:

Carney '389, Carter '611 and Richter '068 disclose all the subject matter as described above except the system further comprising: a local memory residing with the client having an interface to accept a download of the job record from the device repository.

However, Kullick '275 teaches the system further comprising: a local memory residing with the client having an interface to accept a download of the job record from the device repository (column 3, lines35-38).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to have a local memory residing with the client having an interface to accept a download of the job record from the device repository as taught by Kullick '275 in the system of Carney '389, Carter '611 and Richter '068. With this, the user can have a copy of the repository sitting at his/her computer, making it easier to access and to check it.

(2) regarding claim 33:

Carney '389, Richter '068 and Carter '611 disclose all the subject matter as described above except the system further comprising: a local memory residing with the

client having an interface to accept a download of the filtered history of job from the device repository.

However, Kullick '275 teaches the system further comprising: a local memory residing with the client having an interface to accept a download of the filtered history of job from the device repository (column 3, lines 35-38).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to have a local memory residing with the client having an interface to accept a download of the filtered history of job from the device repository as taught by Kullick '275 in the system of Carney '389, Richter '068 and Carter '611. With this, the user can have a copy of the repository sitting at his/her computer, making it easier to access and to check it.

(3) regarding claim 34:

Carney '389 and Carter '611 disclose all the subject matter as described above except wherein the client collects a record of device communications, and merges the device communications with the filtered history of jobs in the local memory.

However, Richter '068 teaches wherein the client collects a record of device communications (column 5, lines 38-44), and merges the device communications with the filtered history of jobs in the local memory (column 22, lines 7-12, where all the information is merge as a whole in memory).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made wherein the client collects a record of device communications, and merges the device communications with the filtered history of jobs in the local

memory as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

(4) regarding claim 35:

Carney '389 and Carter '611 disclose all the subject matter as described above except wherein the client collects a record of client communications, and merges the client communications with the filtered history of jobs in the local memory.

However, Richter '068 teaches wherein the client collects a record of client communications (column 5, lines 38-44), and merges the client communications with the filtered history of jobs in the local memory (column 22, lines 7-12, where all the information is merge as a whole in memory).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made wherein the client collects a record of client communications, and merges the client communications with the filtered history of jobs in the local memory as taught by Richter '068 in the system of Carney '389 and Carter '611. It would be advantageous to provide a client print server link application, which allows a

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client user to view information regarding one or more output printing devices, controllably send one or more print jobs to any of the output printing devices, and receive information regarding each of the print jobs. It would also be advantageous to provide an administrative print server application, whereby an administrative user can view and control the status of a print system having one or more client computers and one or more print servers and printing output devices. The development of such a printing system would constitute a major technological advance (column 3, lines 8-19).

6. Claims 10 and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carney et al. (US 2002/0080389), Richter et al. (US 6,678,068) and Carter et al. (US 6,201,611) as applied to claims above, and further in view of Saruwatari (US 2002/0059361).

Carney '389, Richter '068 and Carter '611 disclose all the subject matter as described above except wherein the client sends the client's Internet Protocol (IP) address as the network address.

However, Saruwatari '361 teaches wherein the client sends the client's Internet Protocol (IP) address as the network address (paragraph [0043], lines 2-5).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made wherein the client sends the client's Internet Protocol (IP) address as the network address as taught by Saruwatari '361 in the system of Carney '389, Richter '068 and Carter '611. With this the client can be located easier in a printing network.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LENNIN R. RODRIGUEZ whose telephone number is (571)270-1678. The examiner can normally be reached on Monday - Thursday 7:30am - 6:00pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, King Poon can be reached on (571) 272-7440. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/King Y. Poon/
Supervisory Patent Examiner, Art Unit 2625

/Lennin R Rodriguez/
Examiner, Art Unit 2625